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November 6, 2003

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Serial No. 09/820,584

Total Number of Pages, including this cover page: 5

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

LeBlanc et al.

Serial No.: 09/820,584

Filed: March 28, 2001

Atty. File No.: 1004-1

For: "LOCATION OF A MOBILE  
STATION USING A PLURALITY  
OF COMMERCIAL WIRELESS  
INFRASTRUCTURES"

Group Art Unit: 3662

Examiner: Dao L. Phan

**Proposed Claim Amendments for  
Discussion Purposes Only**

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SHERIDAN ROSS P.C.

BY: *Aimee M. Thuerk*  
Aimee M. Thuerk

Dear Examiner Phan,

As per our phone conversation of Nov. 5, 2003, hereinbelow are two claims for discussion purposes only, one claim is currently allowed (Claim 91), the other is a new independent claim. Applicants desire to cancel Claim 91 and replace it with the new independent claim provided hereinbelow. Accordingly, it is requested that the Examiner review these claims and provide Applicants' representative with feedback as to whether such a substitution of claims is acceptable in the present application. Note that both claims are directed to utilizing the location of a mobile station wherein there are at least one component used in determining the mobile station location, such that the component accesses at least two networks. Moreover, note that the new claim is also similar, in this context, to allowed Claims 80, 81, and 89. It is also important to note that an Request for Continued Examination was filed September 2, 2003, thus prosecution of the present application is not closed.

Accordingly, it is requested that the Examiner provide feedback indicating that the new claim provided herein would be entered in the present application if presented in a subsequent Supplemental Amendment transmittal.

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**Claim proposed to be cancelled:**

91. A method for locating a particular mobile station, comprising:

receiving, at a vehicle rental agency, location information of the particular mobile station, wherein said particular mobile station resides in a rental vehicle of the rental agency, said rental vehicle having been dropped off at a location that is remote from a premise operated by the vehicle rental agency,

wherein said location information is obtained by the vehicle rental agency from a network (NTWK<sub>0</sub>) of one or more networks, wherein:

- (a) for each of said networks, there are a plurality of base stations for at least one of transmitting and receiving signals with a plurality of mobile stations in communication with the network; and
- (b) the particular mobile station is recognized by at least one network (NTWK<sub>reg</sub>) of the networks for mobile communications, wherein when the networks NTWK<sub>0</sub> and NTWK<sub>reg</sub> are different, there is an overlapping coverage area having said particular mobile station therein;

wherein said particular mobile station transmits communications, via NTWK<sub>0</sub>, for use in obtaining the location information; and

using said location information for accessing said rental vehicle.

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**Representative claim proposed to be entered:**

(New) A method for utilizing mobile station location information, comprising:

receiving, at a predetermined destination and as a consequence of a transmission from a location provider, **location information** for a mobile station ( $M_1$ );

wherein the location provider performs a **first geolocation related task** that has as a consequence a performance of a **first geolocation computation** whose geolocation result is used to determine at least one geographical extent or position ( $G_1$ ) for the mobile station  $M_1$ , and wherein the geographical extent or position  $G_1$  is used to obtain the location information;

wherein the first geolocation computation is performed using a **first input** obtained as a result of (A) and (B) following:

- (A) a communication of  **$M_1$  geolocation indicative data** from the mobile station  $M_1$  to a network ( $NTWK_1$ ), the  $M_1$  geolocation indicative data obtained from a corresponding wireless communication between: (1) the mobile station  $M_1$ , and (2) at least one of: a receiver at a known location, and a transmitter at a known location; and
- (B) a transmission, from the network  $NTWK_1$ , of  **$M_1$  geolocation information** for providing at least a portion ( $P_1$ ) of the first input to the first geolocation computation, wherein the  $M_1$  geolocation information is obtained from the  $M_1$  geolocation indicative data;

wherein the location provider performs a **second geolocation related task** that has as a consequence a performance of a **second geolocation computation** whose geolocation result is used in determining at least one geographical extent or position ( $G_2$ ) for a mobile station ( $M_2$ );

wherein the second geolocation computation is performed using a **second input** obtained via (C) and (D) following:

- (C) a wireless communication of  **$M_2$  geolocation indicative data** from the mobile station  $M_2$  to a network ( $NTWK_2$ ), the  $M_2$  geolocation indicative data obtained from a corresponding wireless communication between: (3) the mobile station  $M_2$ , and (4) at least one of: a receiver at a known location, and a transmitter at a known location; and
- (D) a transmission from the network  $NTWK_2$  of  **$M_2$  geolocation information** for providing at least a portion ( $P_2$ ) of the second input to the second geolocation

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computation, wherein the  $M_2$  geolocation information is obtained from the  $M_2$  geolocation indicative data;

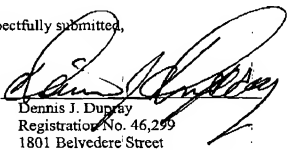
wherein the network  $NTWK_1$  is operated by a first wireless service provider and the network  $NTWK_2$  is operated by a second wireless service provider different from the first wireless service provider;

wherein **at least one** of the following (a) and (b) is satisfied:

- (a) the portion  $P_1$  is obtained from a signal time delay, and the geographical extent or position  $G_1$  is obtained using  $P_1$ , and the portion  $P_2$  is obtained from a signal time delay, and the geographical extent or position  $G_2$  is obtained using  $P_2$ ; and
- (b) **for locating  $M_1$** , the location provider does not perform a geolocation related computation that results in a performance of a geolocation computation (GC) for locating  $M_1$ , wherein **for locating  $M_1$** , the geolocation computation CG would yield effectively a same geolocation result as the second geolocation computation when CG is supplied with a geolocation content for the second input; and using said location information for one of: monitoring and accessing said mobile station  $M_1$ .

Respectfully submitted,

By:

  
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Nov. 6, 2003